11-18-05

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		U.S. I	P10/SB/21 (09-04) Approved for use through 07/31/2006. OMB 0651-0031 Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE			
Monder the Pa	perwork Reduction Act of 1995	i, no persons are required to respond to a co Application Number	llection of information unless it displays a valid OMB control number. 10/708,281			
TE TE	RANSMITTAL	Filing Date	2/22/2004			
	FORM	First Named Inventor				
	i Ordin	Art Unit	Chistyakov 2821			
		Examiner Name				
(to be used for	all correspondence after initial	Attornov Dookst Number	Angela M. Lie			
Total Number o	f Pages in This Submission	5 Allomey Docker Number	ZON-016			
		ENCLOSURES (Check all	that apply)			
Amendm A	smittal Form fee Attached sent/Reply ster Final stifidavits/declaration(s) n of Time Request	Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocatio Change of Correspondence A Terminal Disclaimer				
Express	Abandonment Request	Request for Refund	Form PTO 1449 (1 pg.); and Return			
	on Disclosure Statement	CD, Number of CD(s)	Receipt Postcard.			
iniomiau	on disclosure statement	Landscape Table on CD				
Documer Reply to incomple	Copy of Priority ht(s) Missing Parts/ te Application teply to Missing Parts nder 37 CFR 1.52 or 1.53	Remarks				
	SIGNA	TURE OF APPLICANT, ATTO	RNEY, OR AGENT			
Firm Name	Rauschenbach Pa	atent Law Group, LLC	W			
Signature	Hot Pausele	M				
Printed name Kurt Rauschenbach						
Date	November 17, 2005	F	Reg. No. 40,137			
CERTIFICATE OF TRANSMISSION/MAILING						
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:						

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Typed or printed name

Date

Date November 17, 2005

NOV 1 7 2005

PTO/SB/17 (12-04)

Approved for use through 07/31/2006. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
The Panerwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Effective Fees pursuant to the Consolidate	re on 12/08/20 ted Annmonat			Complete if Known	1		
			Application Number	Application Number 10/708,281			
FEE TRANSMITTAL			Filing Date	2/22/2004			
For	FY 20	05	First Named Inventor	Chistyakov			
X Applicant claims small e	entity status	See 37 CFR 1 27	Examiner Name Angela M. Lie				
	Γ		Art Unit 2821				
TOTAL AMOUNT OF PAYMENT (\$) 180.00 Attorney Docket No. ZON-016							
METHOD OF PAYMENT	(check all t	hat apply)					
Check Credit C	ard \square_{M}	Ioney Order No	ne Other (please id	lentify):			
Deposit Account De	posit Account	Number: 501211	Deposit Account N	lame: Rauschenbach Pa	atent Law Group, LLC		
For the above-identifi	ed deposit a	ccount, the Director is he	reby authorized to: (chec				
Charge fee(s) i	ndicated belo	ow	Charge fee(s) indicated below, exce	ept for the filing fee		
		or underpayments of fe					
under 37 CFR WARNING: Information on this	form may bec	7 come public. Credit card in		• •	vide credit card		
information and authorization of FEE CALCULATION	n PTO-2038.						
	OLL AND E	VARINATION FEED					
1. BASIC FILING, SEAR	FILING F		RCH FEES EXA	MINATION FEES			
Application Type		nall Entity	Small Entity	Small Entity	5 5		
Utility Utility	300	Fee (\$) Fee (\$		(\$) Fee (\$)	Fees Paid (\$)		
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Plant		100 100	50 13	00			
	200	100 300	150 16	- 00			
Reissue	300	150 500	250 60	500			
Provisional	200	100 0	0	0 0			
2. EXCESS CLAIM FEES Fee Description	<i>•</i>				Small Entity Fee (\$) Fee (\$)		
Each claim over 20 or, for	Reissues, 6	each claim over 20 an	d more than in the orig	inal patent	Fee (\$) Fee (\$) 50 25		
Each independent claim or	er 3 or, for	Reissues, each indep	endent claim more tha	n in the original pate			
Multiple dependent claims		_			360 180		
	xtra Claims		and the second s	ple Dependent Claims			
20 or HP = HP = highest number of total cla		x = f greater than 20	<u>Fe</u>	ee (\$) Fee Pai	d (\$)		
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3. APPLICATION SIZE FI		aid for, if greater than 5			•		
If the specification and d		ceed 100 sheets of na	ner the application siz	re fee due is \$250 (\$	125 for small antitul		
for each additional 50	sheets or	fraction thereof. See	35 U.S.C. 41(a)(1)(G)	and 37 CFR 1.16(s)	125 for sman entity)		
	Extra Sheet:	Number of eac	ch additional 50 or fracti	on thereof Fee (\$			
4. OTHER FEE(S)			_ (,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Non-English Specifica	tion, \$13	0 fee (no small entity	discount)		Fees Paid (\$)		
Other: IDS Fee			, 		\$180.00		
SUBMITTED BY							
SUBMITTED BY	, 	//	Registration No.	- I - : :			
Signature	sunda	\mathcal{M}_{-}	(Attorney/Agent) 40,137	Telephone	781.271.1503		

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Name (Print/Type) Kurt Rauschenbach



Express Mail Label No. ED475251365US PATENT

Attorney Docket No. ZON-016

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Roman Chistyakov

SERIAL NO.:

10/708,281

GROUP NO.:

2821

FILING DATE:

February 22, 2004

EXAMINER:

Angela M. Lie

TITLE:

Methods And Apparatus For Generating Strongly-Ionized Plasmas With

Ionizational Instabilities

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P.O. BOX 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. §1.97, the Applicant hereby makes of record the references listed on the accompanying Form PTO-1449 for consideration by the Examiner in connection with the examination of the above-identified patent application.

REMARKS

In accordance with the provisions of 37 C.F.R. §1.97, this statement is being filed (CHECK ONE):

		·
	(1)	within three months of the Filing Date of a national application other than a continued prosecution application under § 1.53(d); or within three months of the date of entry of the national stage as set forth in § 1.491 in an international application; or before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under § 1.114; or
\boxtimes	(2)	after the period defined in (1) but before the mailing date of a Final Action or Notice of Allowance, and
		the Statement required under § 1.97(e) below, OR
	\boxtimes	the fee set forth in § 1.17(p), namely \$180.00, is included herein, or
	(3)	after the mailing date of a Final Action or Notice of Allowance but before the payment of the Issue Fee, AND
		the Statement required under § 1.97(e) below; and

Information Disclosure Statement

Serial No.: 10/708,281

Page 2 of 2

the fee set forth in § 1.17(p), namely \$180.00 is included herein.

It is respectfully requested that each of the references shown on the attached Form PTO-1449 be made of record in this application.

STATEMENT

As required under §1.97(e), Applicants, through the undersigned, hereby state either that [check the appropriate space]:

- 1. That each item of information contained in the Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing date of the Information Disclosure Statement; or
- That no item of information contained in the Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing the certification after making reasonable inquiry, no item of information contained in the Information Disclosure Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of the Information Disclosure Statement.

FEE AUTHORIZATION

The Commissioner is hereby authorized to charge the \$180.00 fee to Deposit Account No. 501211.

Date: November 17, 2005

Reg. No. 40,137

Tel. No.: (781) 271-1503 Fax No.: (781) 271-1527

Doc-1846v1

Respectfully submitted,

Kurt Rauschenbach

Atty/Agent for Applicant(s)

Rauschenbach Patent Law Group, LLC

Post Office Box 387

Bedford, MA 01730

PTO/SB/08a (08-03) Approved for use through 07/31/2006, OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete if Known				
				Application Number	10/708,281			
١N	NFORMATION DISC	CLOSUR	E	Filing Date	2/22/2004			
STATEMENT BY APPLICANT				First Named Inventor	Chistyakov			
	THE TOTAL PROPERTY OF THE PROP		•	Art Unit	2821			
	(Use as many sheets as nec	essary)		Examiner Name	Angela M. Lie			
et	1	of	1	Attorney Docket Number	ZON-016			

	U. S. PATENT DOCUMENTS								
Examiner Initials*	Cite No.1 Number Number Number-Kind Code ^{2 (f known)}				Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
	A12	^{US-} 2005/0092596 A1	05-05-2005	Kouznetsov					
	A13	^{US-} 4,931,169	06-05-1990	Scherer, et al.					
	A14		10-26-2004	Christie					
	A15	^{US-} 2005/0109607 A1	05-26-2005	Ehiasarian, et al.					
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FOREIGN PATENT DOCUMENTS									
Examiner Cite		Foreign Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines,				
Initials*	No.'	Country Code ³ 'Number ⁴ 'Kind Code ⁵ (if known)	MM-DD-YYYY	Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear				
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Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/21 (09-04)
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| Application Number. | Application Number. | Application Number 10/708.281 **TRANSMITTAL** Filing Date 2/22/2004 First Named Inventor **FORM** Chistyakov Art Unit 2821 Examiner Name Angela M. Lie (to be used for all correspondence after initial filing) (not Including Translations) Attorney Docket Number **ZON-016**

		. agov	This Submission		<u> </u>					
ENCLOSURES (Check all that apply)										
	Fee Trans	smittal Fo	orm		Drawin	g(s)			After A	Allowance Communication to TC
	☐ F∈	ee Attach	ed		Licensi	ing-related Papers				l Communication to Board eals and Interferences
Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request Information Disclosure Statement Certified Copy of Priority Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53			Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund CD, Number of CD(s) Landscape Table on CD Remarks		Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below): Letter (1 pg.); English Translations of References B3 &B4 and return receipt Postcard.					
			SIGNA	TURE	OF AF	PPLICANT, ATT	ORNEY, C	R AG	ENT	
Firm N	ame	Raus	schenbach Pa	atent L	_aw Gr	oup, LLC				
Signat	ure	K	F Paux	W	7					
Printed	l name	Kurt R	Rauschanbach	-		•				
Date		Noven	nber 17, 2005				Reg. No.	40,13	7	
CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below: Signature										
Typed	Typed or printed name Date									

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



Express Mail Label No. ED475251365US PATENT Attorney Docket No. ZON-016

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT(S):

Roman Chistyakov

SERIAL NO.:

10/708,281

GROUP NO.:

2821

FILING DATE:

February 22, 2004

EXAMINER:

Angela M. Lie

TITLE:

Methods And Apparatus For Generating Strongly-Ionized Plasmas With

Ionizational Instabilities

LETTER

Commissioner for Patents P.O. BOX 1450 Alexandria, VA 22313-1450

Sir:

For the Examiner's convenience, the Applicant is hereby submitting the enclosed English Translations of References B3 and B4 which were cited on the Supplemental IDS filed on July 27, 2005 for the above-identified Patent Application.

Should you have any questions or comments, please do not hesitate to contact the undersigned.

Respectfully submitted,

Date: November 17, 2005

Reg. No. 40,137

Kurt Rauschenbach

Atty/Agent for Applicant(s)

Rauschenbach Patent Law Group, LLC

Tel. No.: (781) 271-1503

Fax No.: (781) 271-1527

Doc-1854v1

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